

Figure 1A

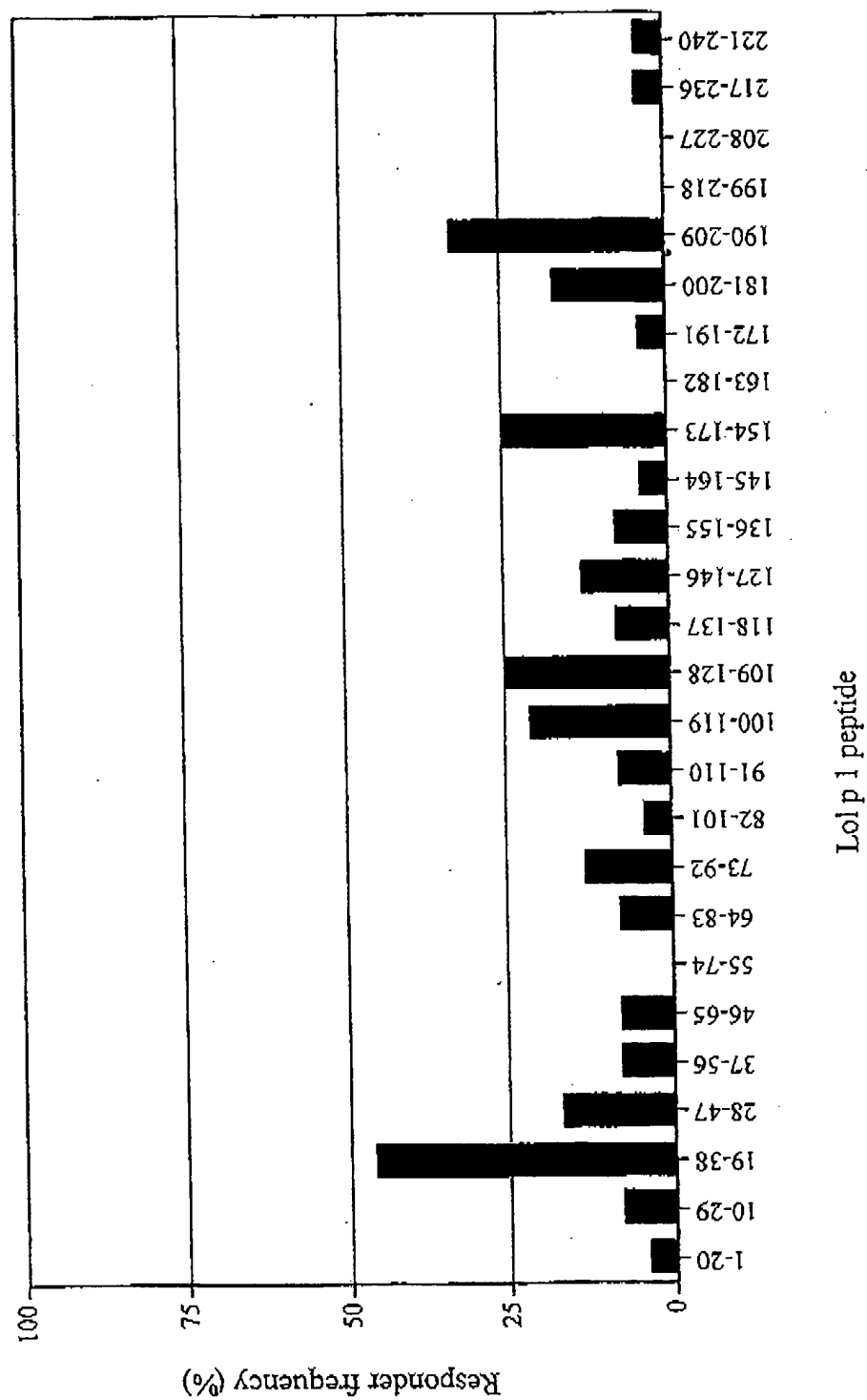


Figure 1B

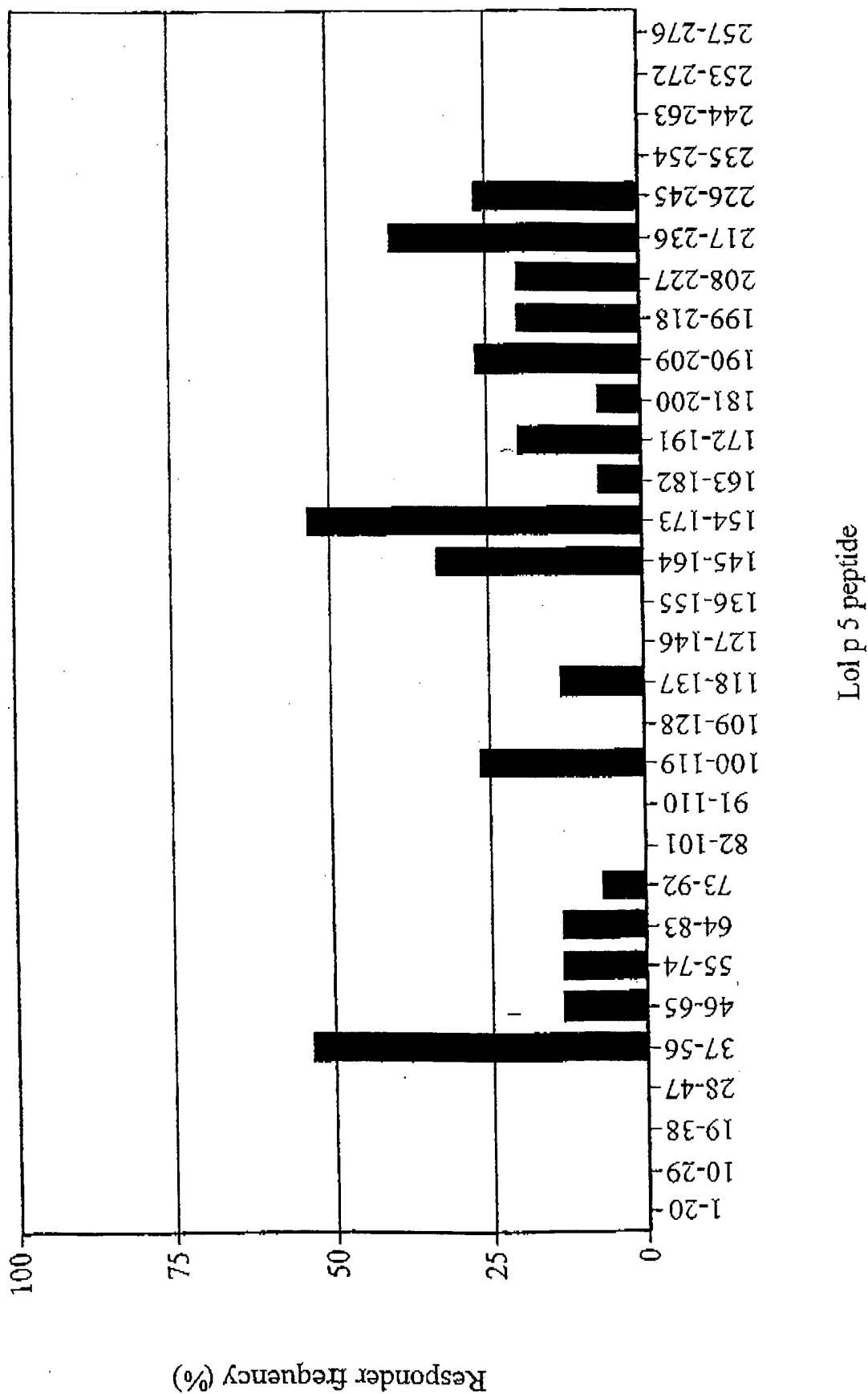


Figure 2

Peptide		
SEQ ID NO: 3	1-20	¹ IAKVPPGPNITAEYGDKNLD ²⁰
SEQ ID NO: 4	11-29	¹⁰ ITAEYGDKNLDAKSTWYGRP ²⁹
SEQ ID NO: 5	19-38	¹⁹ LDAKSTWYGRKPTGAGPKONG ²⁸
SEQ ID NO: 6	28-47	²⁸ KPTGAGPKDNGGAGGYKDVE ⁴⁷
SEQ ID NO: 7	37-56	³⁷ NGGAGGYKDVKAPFNGMTG ⁵⁶
SEQ ID NO: 8	46-65	⁴⁶ VDKAPENGMTGCCGNTPIFKD ⁶⁵
SEQ ID NO: 9	55-74	⁵⁵ TGCCGNTPIFKDGRGCGSCFE ⁷⁴
SEQ ID NO: 10	64-83	⁶⁴ KDGRGCGSCFEIKCTKPESC ⁸³
SEQ ID NO: 11	73-92	⁷³ FEIKCTKPESCSCGEAVVTI ⁹²
SEQ ID NO: 12	82-101	⁸² SCSGEAVVTITDDNEEPIA ¹⁰¹
SEQ ID NO: 13	91-110	⁹¹ TITDDNEEPIAPYHFDLSGH ¹¹⁰
SEQ ID NO: 14	100-119	¹⁰⁰ IAPYHFDLSGHAFGSMKKG ¹¹⁹
SEQ ID NO: 15	109-128	¹⁰⁹ CHAFGSMKKGEEQNVRSAG ¹²⁸
SEQ ID NO: 16	118-137	¹¹⁸ KGEEQNVRSAGELELQERRV ¹³⁷
SEQ ID NO: 17	127-146	¹²⁷ AGELELQERRVKCKYPDDTK ¹⁴⁶
SEQ ID NO: 18	136-155	¹³⁶ RVKCKYPDDTKPTEHVEKGS ¹⁵⁵
SEQ ID NO: 19	145-164	¹⁴⁵ TKPTEHVEKGSNPNYLAILV ¹⁶⁴
SEQ ID NO: 20	154-173	¹⁵⁴ GSNPNYLAILVKYVDGSDV ¹⁷³
SEQ ID NO: 21	163-182	¹⁶³ LVKYVDGSDVAVDIKEG ¹⁸²
SEQ ID NO: 22	172-191	¹⁷² DVAVDIKEGKDKWIELKE ¹⁹¹
SEQ ID NO: 23	181-200	¹⁸¹ KGKDKWIELKESGAVWRIID ²⁰⁰
SEQ ID NO: 24	190-209	¹⁹⁰ KESGAVWRIIDTPDKLTGPF ²⁰⁹
SEQ ID NO: 25	199-218	¹⁹⁹ IDTPDKLTGPFVRYTTEGG ²¹⁸
SEQ ID NO: 26	208-227	²⁰⁸ PFTVRYTTEGGTKSEVEDVI ²²⁷
SEQ ID NO: 27	217-236	²¹⁷ GSTKSEVEDVIPEGWKADTS ²³⁶
SEQ ID NO: 28	221-240	²²¹ SEVEDVIPEGWKADTSYSAK ²⁴⁰

Figure 3

Peptide	
SEQ ID NO: 29	1-20
SEQ ID NO: 30	11-29
SEQ ID NO: 31	19-38
SEQ ID NO: 32	28-47
SEQ ID NO: 33	37-56
SEQ ID NO: 34	46-65
SEQ ID NO: 35	55-74
SEQ ID NO: 36	64-83
SEQ ID NO: 37	73-92
SEQ ID NO: 38	82-101
SEQ ID NO: 39	91-110
SEQ ID NO: 40	100-119
SEQ ID NO: 41	109-128
SEQ ID NO: 42	118-137
SEQ ID NO: 43	127-146
SEQ ID NO: 44	136-155
SEQ ID NO: 45	145-164
SEQ ID NO: 46	154-173
SEQ ID NO: 47	163-182
SEQ ID NO: 48	172-191
SEQ ID NO: 49	181-200
SEQ ID NO: 50	190-209
SEQ ID NO: 51	199-218
SEQ ID NO: 52	208-227
SEQ ID NO: 53	217-236
SEQ ID NO: 54	226-245
SEQ ID NO: 55	235-254
SEQ ID NO: 56	244-263
SEQ ID NO: 57	253-272
SEQ ID NO: 58	257-276

1	ADAGYTPAAAATPATPATP ²⁰
10	AATPATPATPAAAGGKATT ²⁹
19	TTPAAGGKATTEQKLEDV ³⁸
28	TTDEQKLEDDVAGFKAAVA ⁴⁷
37	DVNAGFKAAVAAAANAPPAD ⁵⁶
46	VAAAAAPPADKFKIFEAAE ⁵⁵
55	ADKFKIFEAAFESESSKGLLA ⁷⁴
64	AFSESSKGLLATSAAKAPGL ⁸³
73	LATSAAKAPGLIPKLDATYD ⁹²
82	GLIPKLDATYDVAYKAAEGA ¹⁰¹
91	YDVAYKAAEGATPEAKYDAE ¹¹⁰
100	GATPEAKYDAFVTALTEALR ¹¹⁹
109	AFVTALTEALRVIAALEVH ¹²⁸
118	LRVIAALEVHAVKPAATEEV ¹³⁷
127	VHAVKPAATEEVPAKIPTEGE ¹⁴⁶
136	EVPAKKIPTGELQIVDKIDA ¹⁵⁵
145	GELQIVDKIDAEFKIAATAA ¹⁶⁴
154	DPAEKIAATAANAAPTNDKE ¹⁷³
163	ANAAPTNDKFTVFESAENK ¹⁸²
172	KFTVFESAENKALNECTGGA ¹⁹¹
181	NKALNECTGGAYETKFI ²⁰⁰
190	GAYETKFI ²⁰⁹
199	PSLEAAVKQAYAAATVAAPE ²¹⁸
208	AAATVAAPEVKYAVFEAA ²²⁷
217	PEVKYAVFEALTKAITANT ²³⁶
226	AALTKAITANTQAQKQKPA ²⁵⁴
235	MTQAQKQKPPAAAATGAATAA ²⁶³
244	AAAATGAATAAAGATAAAG ²⁷²
253	ATVATGAATAAAGATAAAG ²⁷⁶
257	TGAATAAAGATAAAGGYKA ²⁷⁶

Figure 4

5A	ADAGYT <u>PAAA</u> ATPATPAAT <u>PAAA</u> -----GGKATTD	30	
5CT..AA.....T..ATPAAG-----G.....D	30	
5BA..TP.....A..TAATPATPATPAAVPS.....E	42	
5A	EQKLEDVNAGFKA [*] AVAAAA [*] NAPPADKFKIFEAAFS [*] ESSK--	72	
5CL.DV.....D.NA.....F.I.EAA.SESCK--	72	
5BI.KI.....A.VV.....Y.T.VET.GTATNKA	84	
5A	---GLLAT- <u>SAAKAPGLIPKLD</u> TAYDVAYKAAEGATPEAKYD	108	
5C	---..LAT-SDAKAPG.IL...TDYDV..KAGE.....	108	
5B	FVE..ASGYADQSKNQ.TS...AALKL..E.AQ.....	126	
5A	AFVTALTEALRVIAGALEVHAVKPA [*] TEEVPAAKIPTGELQIV	150	
5C	.F.TA.....A.....T...PAAK..TG.L.IV	150	
5B	.Y.AT.....T.....A...KVGA..AA.V.LI	168	
5A	DKIDAAFKIAATAANAAPTNDKFTVFESAFNKALNECTGGAY	192	
5C	..I...FKI.....T.....SA..K.LKECT.G..	192	
5B	..V...YRT.....A.....NT..N.IKVSL.A..	210	
5A	ETYKFIPSLEAAVKQAYAATVAAAP [*] EVKYAVFEAALTKAITA	234	
5C	ET.....S.E.....TTV.A.....A.F.A..T..I..	234	
5B	DS.....T.V.....AKQ.T.....T.S.T..K..V..	252	
5A	MTQAQKAGKFAAAA-----ATGAATVAT	261	
5C	.SQ.Q.VAK.....-----..GAATV..	261	
5B	.SE.E.EAT.....TATPTPAAATATATPAAAY..ATPAA..	294	
5A	GAATAAAGAAT-AAAGGYKA	276	SEQ ID NO: 59
5C	G...A..GG--.....A	276	SEQ ID NO: 60
5B	AT..P..AT..P.....V	314	SEQ ID NO: 61